	Application No.	Applicant(s)	
No. 41 E. A.H L. 1114	10/729,958	ISHIO, SEIICHIRO	
Notice of Allowability	Examiner	Art Unit	
	Steven H. Rao	2814	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i) or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS	/e
1. This communication is responsive to <u>12/09/2003</u> .			
2. The allowed claim(s) is/are <u>6</u> .			
3. The drawings filed on <u>09 December 2003</u> are accepted by	the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which gives 6. CORRECTED DRAWINGS (as "replacement sheets") must be submin processed to the priority documents and the priority documents have a submin priority documents have	e been received. e been received in Application for this communication to file MENT of this application. hitted. Note the attached EX es reason(s) why the oath of	on No. 10/219,249. Id in this national stage application from the ea reply complying with the requirements AMINER'S AMENDMENT or NOTICE OF	
(a) ☐ including changes required by the Notice of Draftspers		w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	-		
(b) including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR feach sheet. Replacement sheet(s) should be labeled as such in			
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. Notice of References Cited (PTO-892)	_ <u></u>	formal Patent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No.	ummary (PTO-413), /Mail Date	
 Information Disclosure Statements (PTO-1449 or PTO/SB/I Paper No./Mail Date 12/09/2003 	08), 7. 🗌 Examiner's	Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	Statement of Reasons for Allowance	
of Biological Material	9.	degle Sella	
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DETAILED ACTION

Priority

Receipt is acknowledged of paper submitted under 35 U.S.C. 119(a)-(d), claiming priority from U.S. Patent Application No. 10/219249 filed on August 16, 2002 which itself claims priority from Japanese Patent Application No. 2001-251897 filed on August 22, 2001 which papers have been placed of record in the file.

Continued Prosecution Application

The request filed on 12/09/20030 for a Divisional Application (DA) based on parent Application No. 10/219249 is acceptable and a DA has been established. An action on the DA follows.

Information Disclosure Statement

Acknowledgment is made of receipt of Applicant's Information Disclosure Statement (PTO-1449) filled on 12/09/2003.

The references on PTO 1499 submitted on 12/09/2003 are acknowledged. All the cited references have been considered.

However the foreign patents and documents cited by applicant are considered to the extent that could be understood from the abstract and drawings.

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Preliminary Amendment Status

Acknowledgment is made of entry of preliminary amendment filed 12 /09 / .2003.

Therefore claim 6 is the only currently pending claim.

Claims 1-5 and 7 have been cancelled by the preliminary amendment.

Reasons for allowance

Claim 6 is allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims, which include the method of making the semiconductor device as recited in claim 6 including an impurity diffusion layer that pierces the silicon substrate and extends from said second semiconductor layer from an surface of said second semiconductor layer opposite to said first semiconductor layer to a surface of said first semiconductor layer contacting said second semiconductor layer, and wherein the wire only crosses the impurity diffusion layer at its second end. (for device claims see USP No. 6,686,634).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. Rao whose telephone number is (571)272-

1718 . The examiner can normally be reached on 8.00 to 5.00.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Steven H. Rao

Patent Examiner

November 23, 2004.

DOUGLAS WILLE